

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND the claims in accordance with the following:

1. (cancelled)
2. (currently amended) ~~The A mobile device of claim 1, having an overcurrent cutoff function and at least one function module, the mobile device comprising:~~
a main power supply which supplies power to the mobile device;
a power detection unit which detects whether power from the main power supply to the mobile device is cut off, and generates a power cutoff signal when the power is cut off;
a backup power supply unit which supplies a backup power to the mobile device when the power from the main power supply to the mobile device is cut off; and
a control unit comprises application programs and an operating system, and runs the application programs or controls the at least one function module, and communicates data lines and control signal lines with the at least one function module, and converts potential levels of the data lines and control signal lines connected with the at least one function module to a predetermined potential level in response to the power cutoff signal and then generates a backup power supply enable signal to enable the backup power supply unit to supply power,
wherein the control unit further comprises:
a flash ROM which stores the application programs to drive the at least one function module;
a microprocessor driven by the application programs, and which communicates data with the function module and applies an output power of the backup power supply unit to the mobile device in response to the power cutoff signal; and
a level conversion unit which converts the potential levels of the data lines and control signal lines to the predetermined potential level in response to the power cutoff signal.
3. (original) The mobile device of claim 2, wherein the level conversion unit comprises a switch and a pull-down resistor, wherein the switch is turned on in response to the power cutoff signal.

4. (original) The mobile device of claim 2, wherein the level conversion unit comprises NMOS transistors connected in series between the microprocessor and the function module, and which turn on and off in response to the power cutoff signal.

5. (currently amended) ~~The mobile device of claim 4~~ A mobile device having an overcurrent cutoff function and at least one function module, the mobile device comprising:
a main power supply which supplies power to the mobile device;
a power detection unit which detects whether power from the main power supply to the mobile device is cut off, and generates a power cutoff signal when the power is cut off;
a backup power supply unit which supplies a backup power to the mobile device when the power from the main power supply to the mobile device is cut off; and
a control unit comprises application programs and an operating system, and runs the application programs or controls the at least one function module, and communicates data lines and control signal lines with the at least one function module, and converts potential levels of the data lines and control signal lines connected with the at least one function module to a predetermined potential level in response to the power cutoff signal and then generates a backup power supply enable signal to enable the backup power supply unit to supply power,
wherein the power detection unit comprises:
a slide switch having first, second, and third terminals, wherein the second and third terminals are connected in common;
a first resistor connected between the first terminal and the main power supply; and
a second resistor connected between the third terminal and the ground, wherein a node is connected to the third terminal forming an output terminal for outputting the power cutoff signal.

6-15. (cancelled)

16. (currently amended) ~~The A mobile device of claim 10, having an overcurrent cutoff function~~ and at least one function module, the mobile device comprising:
a main power supply unit which supplies power to the mobile device;
a power supply load/unload detection unit which detects a separation of the main power supply unit from the mobile device;
a control unit having application programs and an operating system which runs the application programs or controls the at least one function module;
a memory device which stores temporary data during the execution of the application

programs and data resulting from the application program executions by the control unit;

a power control unit which converts the power generated from the main power supply unit into a predetermined voltage and supplies the power to the control unit and the memory device; and

a backup power supply unit which supplies a backup power to the mobile device when the power from the main power supply unit to the mobile device is detached, and which comprises a backup battery, a DC/DC converter, and a switching unit, wherein the backup power supply unit supplies power from the backup battery to the control unit and the memory device based on the switching unit in response to the backup power supply signal,

wherein the control unit comprises:

a flash ROM which stores application programs to drive the at least one function module;

a microprocessor driven by the application programs, and which communicates data with the at least one function module and applies an output power of the backup power supply unit to the mobile device in response to the power cutoff signal; and

a level conversion unit which converts the potential levels of the data lines and control signal lines to a predetermined potential level in response to the power cutoff signal.

17. (original) The mobile device of claim 16, wherein the level conversion unit comprises a switch and a pull-down resistor, wherein the switch is turned on in response to the power cutoff signal.

18. (original) The mobile device of claim 16, wherein the application programs comprise at least one of schedule management programs, multimedia reproducing/recording programs and communication programs.

19. (original) The mobile device of claim 16, wherein the level conversion unit comprises NMOS transistors connected in series between the microprocessor and the at least one function module and which turn on and off in response to the power cutoff signal.

20. (original) The mobile device of claim 16, wherein the level conversion unit converts the potential levels of the data lines and control signal lines connected between the microprocessor and the at least one function module into a logic "low" or a high-impedance state.

21. (original) The mobile device of claim 16, wherein the backup power supply unit

supplies the output power necessary to preserve data stored in the memory device and to maintain a standby state of the control unit.

22. (original) The mobile device of claim 20, wherein the at least one function module is a Code Division Multiple Access module.

23. (original) The mobile device of claim 21, wherein the memory device is a Dynamic Random Access Memory.